

# Shiying Wang



vivi19940801@gmail.com



778-323-3801



seeinwangvivi.info

## Skills

### Programming

Java	PHP
SQL	Python
JavaScript	NoSQL
CSS3	HTML5
Julia	C++

### Framework

Spring MVC	ThinkPHP 5.0
JDBC	MyBatis
Hadoop (MapReduce)	NodeJS/ReactJS/jQuery
Android	Bootstrap

### Database

MySQL	Oracle
MongoDB	

### Test Driven Development

JUnit/JMock

### Tool

Git	NPM
Webpack	

### Operating System

Linux	Mac OS
Windows	

### Cloud Service

Azure	Tencent Cloud
AWS	



## Education

Oct – Dec 2018



B.Sc Mathematics  
@The University of British Columbia



Vancouver

Relevant Coursework: Advanced Algorithms Design and Analysis, Software Construction, Machine Learning, Data Mining, Relational Databases, Linear Programming

2014



Honors



UBC

- MCM Mathematical Contest in Modeling SP
- Outstanding International Student Award
- Dean's Honor List



## WORK EXPERIENCE

Mar - Jun 2019



IT Intern  
BluelightMedia(BLMS)



Burnaby, BC

- Developed and deployed Customer Order Management System, Customer Information System, and Content Management system based on LAMP(Linux,Apache,MySQL,PHP) stack for a e-commerce mobile application
- The system is based on Restful web service, the backend is written by PHP and based on Thinkphp 5.0 MVC Framework
- The customer facing site is written by WXML, WXSS and Javascript based on Wechat Mini Program Framework(mobile). All customer data and content management front-end is written by HTML5, CSS3, Javascript using JQuery and Bootstrap Library
- Wrote and maintained code (HTML, CSS, JavaScript, C# and .Net) for company's official website
- Local Windows Server 2012 R2 and Cloud Linux Server maintenance
- VoIP Phone server development (asterisk and freePBX) and Email server development (sendmail and roundcube)

Oct – Dec 2018



Office Automation System–Full Stack developer (Internship)

Jingyitong Electronics and Technology Co. Ltd



Xiamen, China

- Developed office automation system core modules, including personal reimbursement form management module; department and employee basic information management module
- The reimbursement form processing workflow included creating pending reimbursement form, adding reimbursement form, submitting reimbursement form, validating and authorizing the form, delivered payment
- The system was based on Restful web service, it was client-server, distributed, web application
- The backend using Spring MVC, Spring IOC, Servlet, Mybatis

- The backend running on Tomcat web server and using MySQL database
- The frontend was using JSP with HTML, CSS and JavaScript
- Applied the agile development processes and design patterns



## Technical Projects

Jun - Aug 2017

### Page Rank

- Used Java to implement Google PageRank Algorithm to compute PageRank for more than 5000 websites.
- Using the adjacency matrix to construct the relationship between each web page, calculate the PageRank of each web page based on the constructed relationship matrix
- Use PageRank convergence value to achieve page rank
- Implemented PageRank Algorithm in Hadoop by running map-reduce jobs through
- The Hadoop framework was managed and run in Docker.
- <https://github.com/SeeinWang/PageRank>

Jun - Aug 2016

### Hospital Data management application

- Developed a Java web application using JDBC to work with a remote Oracle database that allows a hospital to manage internal data, e.g. patient and staff information.
- Gave different users(patients/nurses/doctors) different accessibility to record database.
- Implemented query functions for users (add, get, update and remove) and successfully connected to UBC CS department's Oracle database.
- Designed user-friendly GUI for users by using Java Swing Package.
- <https://github.com/SeeinWang/Hospital-DBMS-Application>

Mar - May 2015

### Meet-up Android App

- Developed a meet-up android application using Java and android emulator to find a meet-up place for students.
- Used Rest API to access and parse live data from Foursquare, live data from MapQuest and live data from a Meetup service.
- Implemented plotting functions to plot a route between all courses of a student on a given day, and plot a route of another random student between all of their courses.
- Determined two students have a mutual break and recommended a location where they might meet up.
- Showed how they might get from their last course before the break to the meet up location.
- <https://github.com/SeeinWang/Meetup>



## Certificate

2018: CFA (Chartered Financial Analyst) Level 1 passed

2018: FRM (Financial Risk Manager GARP) Part 1 passed